SANTOSH KUMAR

E-Mail: er.santoshkumar9@gmail.com   Contact No: +91-8095345667

PROFILE SUMMARY

- A result-oriented professional with **3.9 year** experience.
- Having experience in field of **Data Science** with a demonstrated history of working in the information technology and services industry, I have inculcated skills in the field of Data Science and explored it.
- Experience with Data Science Python Libraries like **Pandas, NumPy, Scikit-learn** and **Matplotlib**.
- Proficient in **Google Cloud Platform (GCP), AWS Cloud**, **Linux (RHEL6.0), DevOps Tools**.
- Expertise of **Docker, Kubernetes** and hands-on knowledge of **Jenkins, Openshift**.
- Designed, configured and deployed **Amazon Web Services (AWS)** for applications utilizing the AWS stack.
- Expertise of **RHEL 6.0 System** and **Server Administration**.
- Familiar with version controlling systems: **Git** and **Github**.

TECHNICAL SKILLS

- Languages   : Python, Core Java
- Data science   : Machine Learning, Deep Learning, Pandas, Numpy, Matplotlib, Scikit-Learn
- Cloud Platform   : AWS (Amazon Web Services), Google Cloud Platform (GCP)
- Frame Work   : Tensorflow, Keras
- DevOps Tools   : Docker, Kubernetes, Openshift, Jenkins, Ansible
- Operating Systems   : Red Hat Enterprise Linux 6.0, IBM AIX ,Unix, Windows 7/8, Ubuntu 16.04
- Scripting   : Bash Shell, Python
- Version controlling Tools   : Git, Github
- DBMS   : Mongo DB, Oracle 11g
- Ticketing Tools   : Trello, JIRA, Orange scrum

WORK EXPERIENCE

Data Scientist
Tata Consultancy Services | June 2018 to Present

Project 1: - ML Tool
Description: Building a tool for data preprocessing, model training, testing, and deployment, as well as forecasting.
Responsibilities:

- Performed problem scoping, data gathering, cleaning, pre-processing and verifying the integrity of vehicle diagnostic data used for analysis using Python.
- Performed EDA, selecting features, building and optimizing classifiers using multiple supervised and unsupervised Machine Learning techniques for Predictive Analytics on Time-Series data.
- Used regression, classification, Bayesian methods, SVM, Random Forest, time-series modelling, dimensionality reduction, clustering regularly.

Project 2: - Object Recognition
Description: Build an Object Detection Model which uses TensorFlow and other public API libraries to detect multiple objects in an uploaded image and Videos. Also implemented Object Detection for real-time images using OpenCV and YOLO object detection algorithms.

Project 3: - Virtual Assistant
Description: Designed and developed conversational chat bot using Deep Learning for resolving technical queries.

Project Engineer
Wipro Technologies | December 2015 to June 2018

Project 1: - IBF-HBL-PJ
Responsibilities:

- Working on AWS services like EC2, S3, CloudWatch, Rout53, VPC, CloudFront, Kinesis, CloudFormation and RDS.
- Writing Shell script to upload data from ec2 instance to S3 buckets using aws-cli or S3 cmd.
- Scheduling cron jobs as per requirement to automate daily activity.

- Performing zero-down time deployment.
- Monitoring App & Service Instance usage, threshold, logs.
- Configuring CloudWatch Alarm for capacity & performance.
- Creating lifecycle policies in AWS S3 for backups to Glacier.
- Utilized Configuration Management tool Ansible & created Ansible Playbook to automate system operations.
- Created and wrote Shell scripts (Bash) and Python for automating task.
- Installation and configuration of Mongo DB and performing CRUD operations and Query Performance.
- Configuring replica set with 3 nodes (Primary, Two-Secondary).

POC Project: - SMACK Deployment
Responsibilities:
- Setup Kubernetes cluster for SMACK deployment.
- Created services and deployment YAML file for SMACK, implementing ingress and load balancer.
- Created Kubernetes Dashboard for monitoring SMACK.

VOLUNTEER WORK EXPERIENCE

Data Science & Machine Learning Mentor
Internity Foundation | Feb 2017 to Present
A learning initiative with a vision to raise the quality of learning among technocrats with Skill based learning in a team environment.

Got the privilege to conduct two days' workshop in IIT-KGP on the topic "**Application of Data Analytics and Machine Learning using Python**".
As a Volunteer, I carry upon these responsibilities:
- Conduct training sessions on Data Science and machine learning for interns and monitor their development process.
- Organize learning programs as a part of learning process for interns tinged with taking interviews and their performance evaluation.

CERTIFICATIONS & TRAINING

- Machine Learning with Python from Coursera (**Credential ID:** R4NKJ5GH9Z44).
- Advanced Machine Learning with TensorFlow on Google Cloud Platform Specialization (**Credential ID:** J3Z3JTG8P4F5)
- Course completion & certificate of **AWS Solution Architect- Associate** from Udemy.

EDUCATION

- **B.Tech. (Computer Science and Engineering)** from SRMS CET Bareilly with 73.34% in Academic Year 2011-2015.
- **Intermediate** from SNIC, Obra Sonebhadra with 80.80% in Academic Year 2009-2010.
- **High School** from SVMHS School, Obra Sonebhadra with 66.80% in academic year 2007-2008.

ACHIVEMENTS & EXTRA CURRICULUM ACTIVITIES

- Served as **Head-Coordinator** for Equinox Club and Registration Committee.
- Secured 3th place in "**JAVA Fault**" in National Level Tech Fest Techvyom 2014 organized by SRMSCET Bareilly.
- Secured 3th place in "**Meta Quiz**" in National Level Tech Fest Techvyom 2013 organized by SRMSCET Bareilly.

PERSONAL DETAILS

Date of Birth : 22th April 1993
Gender   : Male
Languages   : English, Hindi.
Address   : 16/A, 26th Main, BTM Layout 2nd Stage, Bangalore - 560076

DECLARATION

I hereby declare that the above-mentioned information is correct as per my knowledge.

Place: Bangalore